IN THE CLAIMS

1. (Currently Amended) An on-vehicle audio/video system comprising a controller, a data source and a playing device,

wherein the controller comprises at least a first transmitter, [[and]] the data source comprises at least a first receiver, a ~~first~~ second micro-controller and a second transmitter, ~~wherein,~~ said controller is an radio frequency (RF) controller, [[and]] the first transmitter is an RF transmitter; and said first receiver of said data source is an RF receiver,

wherein said controller sends an RF control signal to the data source, said first RF receiver in the data source receives the RF control signal and sends the signal to the ~~first~~ second micro-controller for processing, and said second transmitter transmits data signals and/or the control signal to said playing device under the control of said ~~first~~ second micro-controller;

wherein said data source further comprises a first decoding/encoding unit, and said playing device comprises a second decoding/encoding unit and a third micro-controller;

wherein said first decoding/encoding unit is able to decode a first RF wake-up signal transmitted from the controller, the decoded first RF wake-up signal is transmitted to the second micro-controller so that the second micro-controller executes a wake-up operation of the data source according to the decoded first RF wake-up signal; and

wherein said second decoding/encoding unit is able to decode a second RF wake-up signal transmitted from the controller, the decoded second RF wake-up signal is sent to the third micro-controller so that the third micro-controller executes a wake-up operation of the playing device according to the decoded second RF wake-up signal.

2. (Previously Amended) The system of claim 1, wherein said playing device further comprises at least an RF receiver adaptive to receive the RF control signal transmitted from the first RF transmitter of the controller.

3. (Previously Amended) The system of claim 2, wherein the signal transmissions between said data source and the playing device are carried out in an RF manner.

4. (Previously Amended) The system of claim 1, wherein the second transmitter of said data source is an RF transmitter.

5. (Original) The system of claim 1, wherein said data source is combined with said playing device, and the signals from the transmitter of the data source are cable signals.

6. (Previously Amended) The system of claim 1, wherein said data source uses a potable storage medium to store the data signals.

7. (Previously Amended) The system of claim 1, wherein said controller further comprises a key panel, a signal generator, and an encoder, and wherein said key panel receives external control instructions, said signal generator generates control signals corresponding to the external control instructions, and said encoder encodes and sends the control signals to the first transmitter.

8. (Previously Amended) The system of claim 1, wherein said controller is provided on the steer wheel.

9. (Canceled)

10. (Currently Amended) The system of claim [[9]] 1, wherein the controller comprises at least a first RF transmitter, the data source comprises at least a first RF receiver~~, a first micro-controller~~ and a second RF transmitter, and the playing device comprises at least a second RF receiver.

11. (Previously Presented) The system of claim 2, wherein said data source uses a potable storage medium to store the data signals.

12. (Previously Presented) The system of claim 3, wherein said data source uses a potable storage medium to store the data signals.

13. (Previously Presented) The system of claim 5, wherein said data source uses a potable storage medium to store the data signals.

14. (Previously Presented) The system of claim 2, wherein said controller further comprises a key panel, a signal generator, and an encoder, and wherein said key panel receives external control instructions, said signal generator generates control signals corresponding to the external control instructions, and said encoder encodes and sends the control signals to the first transmitter.

15. (Previously Presented) The system of claim 3, wherein said controller further comprises a key panel, a signal generator, and an encoder, and wherein said key panel receives external control instructions, said signal generator generates control signals corresponding to the external control instructions, and said encoder encodes and sends the control signals to the first transmitter.

16. (Previously Presented) The system of claim 5, wherein said controller further comprises a key panel, a signal generator, and an encoder, and wherein said key panel receives external control instructions, said signal generator generates control signals corresponding to the external control instructions, and said encoder encodes and sends the control signals to the first transmitter.

17. (Previously Presented) The system of claim 2, wherein said controller is provided on the steer wheel.

18. (Previously Presented) The system of claim 3, wherein said controller is provided on the steer wheel.

19. (Previously Presented) The system of claim 5, wherein said controller is provided on the steer wheel.